

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE SEPTEMBER 4, 1985  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

MONTH: AUGUST 1985

THE UNIT WAS BASE LOADED THIS MONTH EXCEPT FOR THE 11TH,  
WHEN THE UNIT WAS IN LOAD FOLLOW OPERATION.  
THERE WERE NO SHUTDOWNS.

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# DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282  
 UNIT PRAIRIE ISLAND NO. 1  
 DATE SEPTEMBER 4, 1985  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121

MONTH: AUGUST 1985

| DAY | AVERAGE LOAD MWE-NET |
|-----|----------------------|
| 1   | 511                  |
| 2   | 508                  |
| 3   | 510                  |
| 4   | 299                  |
| 5   | 513                  |
| 6   | 507                  |
| 7   | 509                  |
| 8   | 509                  |
| 9   | 510                  |
| 10  | 511                  |
| 11  | 444                  |
| 12  | 512                  |
| 13  | 511                  |
| 14  | 512                  |
| 15  | 510                  |
| 16  | 512                  |
| 17  | 511                  |
| 18  | 514                  |
| 19  | 514                  |
| 20  | 514                  |
| 21  | 515                  |
| 22  | 514                  |
| 23  | 516                  |
| 24  | 519                  |
| 25  | 257                  |
| 26  | 516                  |
| 27  | 511                  |
| 28  | 519                  |
| 29  | 518                  |
| 30  | 517                  |
| 31  | 517                  |

AVERAGE LOADS ABOVE 503 MWE-NET ARE DUE  
 TO COOLER CONDENSER CIRCULATING WATER

# OPERATING DATA REPORT

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE SEPTEMBER 4, 1985  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

## OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: AUGUST 1985
3. LICENSED THERMAL POWER (MWT): 1650
4. NAMEPLATE RATING (GROSS MWE): 593
5. DESIGN ELECTRICAL RATING (NET MWE): 530
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 534
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 503
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7)  
SINCE LAST REPORT GIVE REASON: NONE
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTIONS, IF ANY: NONE

THIS MONTH YB-IQ-DAY CUMULATIVE

|   |         |         |           |
|---|---------|---------|-----------|
| 11. HOURS IN REPORTING PERIOD   | 744     | 5831    | 102647    |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL                                    | 744.0   | 4438.1  | 84432.4   |
| 13. REACTOR RESERVE SHUTDOWN HOURS  | 0.0     | 0.0     | 5571.1    |
| 14. HOURS GENERATOR ON-LINE   | 744.0   | 4419.8  | 83087.6   |
| 15. UNIT RESERVE SHUTDOWN HOURS   | 0.0     | 0.0     | 0.0       |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)                                    | 1185974 | 7005302 | 130604560 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH)                                 | 392580  | 2302490 | 42594590  |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)                                   | 368665  | 2157711 | 39908529  |
| 19. UNIT SERVICE FACTOR   | 100.0   | 75.8    | 80.9      |
| 20. UNIT AVAILABILITY FACTOR  | 100.0   | 75.8    | 80.9      |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)                                    | 98.5    | 73.6    | 77.3      |
| 22. UNIT CAPACITY FACTOR (USING DER NET)                                    | 93.5    | 69.8    | 73.4      |
| 23. UNIT FORCED OUTAGE RATE   | 0.0     | 0.7     | 7.8       |
| 24. FORCED OUTAGE HOURS   | 0.0     | 29.4    | 7073.8    |
| 25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH): |         |         |           |

REFUELING OUTAGE IN MARCH 1986

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH AUGUST 1985DOCKET NO. 50-282UNIT NAME Prairie Island No. 1DATE September 4, 1985COMPLETED BY Dale DugstadTELEPHONE 612-388-1121

| DATE<br>YY MM DD | TYPE<br>(1) | DURATION<br>(HOURS) | REASON<br>(2) | METHOD OF SHUT<br>TING DOWN REAC<br>TOR OR REDUC-<br>ING POWER (3) | LICENSEE<br>EVENT<br>REPORT | SYSTEM<br>CODE<br>(4) | COMPONENT<br>CODE<br>(5) | CAUSE/CORRECTIVE ACTION/COMMENTS                           |
|------------------|-------------|---------------------|---------------|--|-----------------------------|-----------------------|--------------------------|--|
| 85 08 04         | S           | 0.0                 | B             | 5  | N/A                         | N/A                   | N/A                      | Clean amertap screens and Turbine valves test.             |
| 85 08 11         | S           | 0.0                 | F             | 5  | N/A                         | N/A                   | N/A                      | Load follow.   |
| 85 08 25         | S           | 0.0                 | B             | 5  | N/A                         | N/A                   | N/A                      | Chlorination of circ water system and Turbine valves test. |

(1) TYPE  
F: Forced  
S: Scheduled

(2) REASON  
A: Equipment Failure (Explain)  
B: Maintenance or Test  
C: Refueling  
D: Regulatory Restriction  
E: Operator Training & License Examination  
F: Administrative  
G: Operational Error (Explain)  
H: Other (Explain)

(3) METHOD  
1: Manual  
2: Manual Trip  
3: Automatic Trip  
4: Continued  
5: Reduced Load  
9: Other

(4) SYSTEM CODE  
Draft IEEE Std  
805-1984(P805-D5)

(5) COMPONENT CODE  
IEEE Std 803A-1983

NARRATIVE SUMMARY OF DEBATING EXPERIENCE

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2  
DATE SEPTEMBER 4, 1985  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

MONTH: AUGUST 1985

THE UNIT WAS IN COASTDOWN OPERATION THIS MONTH FOR THE  
UPCOMING REFUELING AND 10 YEAR ISI OUTAGE WHICH WILL  
START SEPTEMBER 6TH. THERE WERE NO SHUTDOWNS.

# DAILY UNIT POWER QUIEWI

DOCKET NO. 50-306  
 UNIT PRAIRIE ISLAND NO. 2  
 DATE SEPTEMBER 4, 1985  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121

MONTH: AUGUST 1985

| DAY | AVERAGE LOAD MWE-NET |
|-----|----------------------|
| 1   | 417                  |
| 2   | 405                  |
| 3   | 408                  |
| 4   | 402                  |
| 5   | 401                  |
| 6   | 393                  |
| 7   | 392                  |
| 8   | 388                  |
| 9   | 383                  |
| 10  | 381                  |
| 11  | 375                  |
| 12  | 371                  |
| 13  | 362                  |
| 14  | 360                  |
| 15  | 352                  |
| 16  | 348                  |
| 17  | 341                  |
| 18  | 339                  |
| 19  | 334                  |
| 20  | 331                  |
| 21  | 325                  |
| 22  | 318                  |
| 23  | 315                  |
| 24  | 313                  |
| 25  | 299                  |
| 26  | 302                  |
| 27  | 294                  |
| 28  | 293                  |
| 29  | 288                  |
| 30  | 286                  |
| 31  | 282                  |

AVERAGE LOADS ABOVE 500 MWE-NET ARE DUE  
 TO COOLER CONDENSER CIRCULATING WATER

# OPERATING DATA REPORT

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2  
DATE SEPTEMBER 4, 1985  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

## OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: AUGUST 1985
3. LICENSED THERMAL POWER (MWT): 1650
4. NAMEPLATE RATING (GROSS MWE): 593
5. DESIGN ELECTRICAL RATING (NET MWE): 530
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 531
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 500
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT GIVE REASON: NONE
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTIONS, IF ANY: NONE

| NOTES: |
|--------|
|        |
|        |
|        |
|        |
|        |

|   | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|---|------------|------------|------------|
| 11. HOURS IN REPORTING PERIOD   | 744        | 5831       | 93765      |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL                                    | 744.0      | 5831.0     | 81925.7    |
| 13. REACTOR RESERVE SHUTDOWN HOURS  | 0.0        | 0.0        | 1516.1     |
| 14. HOURS GENERATOR ON-LINE   | 744.0      | 5831.0     | 80955.3    |
| 15. UNIT RESERVE SHUTDOWN HOURS   | 0.0        | 0.0        | 0.0        |
| 16. GROSS THERMAL ENERGY GENERATED (MWH)                                    | 863965     | 9092303    | 127252535  |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWH)                                 | 280720     | 3009090    | 40912630   |
| 18. NET ELECTRICAL ENERGY GENERATED (MWH)                                   | 259105     | 2841112    | 38721951   |
| 19. UNIT SERVICE FACTOR   | 100.0      | 100.0      | 86.3       |
| 20. UNIT AVAILABILITY FACTOR  | 100.0      | 100.0      | 86.3       |
| 21. UNIT CAPACITY FACTOR (USING MDC NET)                                    | 69.7       | 97.4       | 82.6       |
| 22. UNIT CAPACITY FACTOR (USING DER NET)                                    | 65.7       | 91.9       | 77.9       |
| 23. UNIT FORCED OUTAGE RATE   | 0.0        | 0.0        | 3.8        |
| 24. FORCED OUTAGE HOURS   | 0.0        | 0.0        | 3209.6     |
| 25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH): |            |            |            |

1EN YEAR OUTAGE STARTING SEPTEMBER 6TH FOR ABOUT 47 DAYS.

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH AUGUST 1985DOCKET NO. 50- 306UNIT NAME Prairie Island No. 2DATE September 4, 1985COMPLETED BY Dale DugstadTELEPHONE 612-388-1121

| DATE<br>YY MM DD | TYPE<br>(1) | DURATION<br>(HOURS) | REASON<br>(2) | METHOD OF SHUT<br>TING DOWN REAC<br>TOR OR REDUC-<br>ING POWER (3) | LICENSEE<br>EVENT<br>REPORT | SYSTEM<br>CODE<br>(4) | COMPONENT<br>CODE<br>(5) | CAUSE/CORRECTIVE ACTION/COMMENTS |
|------------------|-------------|---------------------|---------------|--|-----------------------------|-----------------------|--------------------------|----------------------------------|
|                  |             |                     |               |  |                             |                       |                          | none                             |

(1) TYPE  
F: Forced  
S: Scheduled

(2) REASON  
A: Equipment Failure (Explain)  
B: Maintenance or Test  
C: Refueling  
D: Regulatory Restriction  
E: Operator Training & License Examination  
F: Administrative  
G: Operational Error (Explain)  
H: Other (Explain)

(3) METHOD  
1: Manual  
2: Manual Trip  
3: Automatic Trip  
4: Continued  
5: Reduced Load  
9: Other

(4) SYSTEM CODE  
Draft IEEE Std  
805-1984(P805-D5)

(5) COMPONENT CODE  
IEEE Std 803A-1983





Northern States Power Company

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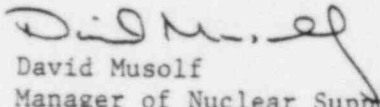
September 5, 1985

Director, Office of Resource Management  
U S Nuclear Regulatory Commission  
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
Docket No. 50-282 License No. DPR-42  
50-306 DPR-60

Monthly Operating Report  
August, 1985

Attached are twelve copies of the Monthly Operating Report for August, 1985 for the Prairie Island Nuclear Generating Plant.

  
David Musolf  
Manager of Nuclear Support Services

DMM/EFE/1e

cc: Regional Administrator-III, NRC  
NRR Project Manager, NRC  
NRC Resident Inspector  
MPCA  
Attn: J W Ferman

Attachment

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11